

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims**1-21. (Canceled)**

22. (Currently Amended) A method of identifying an inhibitors of cPLA₂ activity comprising:

(a) providing a potential inhibitor compound; and

(b) ~~determining whether the potential inhibitor inhibits the activity of cPLA₂, wherein said inhibitor~~ identifying whether the compound interacts with one or more atoms of ~~said one or more amino acids in the cPLA₂ active site, and wherein said one or more atoms is selected from the group consisting of:~~

CB and Oy atoms of Ser228;

Oδ1 and Oδ2 atoms of Asp549 and Asp575;

CB, CG, CD, NE, CZ, NH1 and NH2 atoms of Arg200, Arg413 and Arg579;

Backbone carbonyl oxygen of Trp393;

Nδ2 and Oδ1 atoms of Asn555;

Atoms CD1, CE1, CG, CZ, CE2, and CD2 of Phe397, Phe681, Phe683 and Phe199;

CG, CD1, NE1, CE2, CZ2, CH2, CZ3, CE3 and CD2 of Trp232 and Trp393;

CB and Oy atoms of Ser577;

Atom s CB and Sy of Cys331;

Atoms OE1 and OE2 of Glu589;

Atoms CB, CG, CD, CE and NZ of Lys588;

Oy1 atom of Thr680;

OE1 and OE2 atoms of Glu418 and Glu422;

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Atoms CB, CG, SD and CE of Met417;
Atoms CB, CG, CD1 and CD2 of Leu400 and Leu421;
Atoms CB, CG1, CG2, or CD1 of Ile424;
Backbone NH and carbonyl oxygen atoms of Ala578; and
Atoms CB, CG, ND1, CE1, NE2, and CD2 of His639; and
(c) assaying the ability of the compound to inhibit cPLA₂ activity,
thereby identifying an inhibitor of cPLA₂ activity.

23-29. (Canceled)

30. (Currently Amended) The method of claim 22, wherein said activity of cPLA₂ is ~~lipid binding phospholipid metabolism~~.

31. (Previously presented) The method of claim 22, wherein said activity of cPLA₂ is membrane binding.

32. (New) The method of claim 22, wherein said activity of cPLA₂ is cleavage of the *sn*-2 ester of a glycerophospholipidic substrate.

33. (New) The method of claim 22, wherein said compound has an IC₅₀ value of less than about 25 μ M in the soluble substrate assay.

34. (New) The method of claim 22, wherein said compound has an IC₅₀ value of less than about 5 μ M in the vesicle assay.

35. (New) The method of claim 22, wherein said compound has an IC₅₀ value of less than about 1 μ M in the PMN assay.